

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L26   | 11   | 25 and spectrum and difference and amr   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2009/05/13<br>09:52 |
| L25   | 500  | (704/230).CQLS.  | USPAT;<br>USOCR; EPO                     | OR               | OFF     | 2009/05/13<br>09:51 |
| L24   | 20   | 21 and conceal \$5   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:49 |
| L23   | 20   | 21 and conceal \$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:48 |
| L22   | 0    | 18 and ctm   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:47 |
| L21   | 31   | 18 and amr   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:47 |
| L20   | 0    | 18 and amr and ctm   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:47 |
| L19   | 0    | 13 and amr and ctm   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:46 |
| L18   | 381  | ((energ\$4 or spectr\$4) near3 (chang\$4 or difference)) with frame with (frequenc\$5 or time) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:46 |
| L17   | 5    | 13 and amr   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:45 |
| L16   | 0    | 13 and ctm   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/05/13<br>08:44 |

|     |     |   |                                    |    |    |                  |
|-----|-----|---|------------------------------------|----|----|------------------|
| L15 | 0   | (energ\$4 near3 (chang\$4 or difference)) with frame with (frequenc\$5 or time) with repeat \$4                               | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:44 |
| L14 | 41  | 2 and 13  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:27 |
| L13 | 151 | (energ\$4 near3 (chang\$4 or difference)) with frame with (frequenc\$5 or time)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:27 |
| L12 | 15  | 11 and 2  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:25 |
| L11 | 89  | (low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame with (frequenc\$5 or time)      | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:25 |
| L10 | 8   | (low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame with frequenc\$5 with time      | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:23 |
| L9  | 4   | (low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame with (correct\$5 or conceal\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2009/05/13 08:22 |

|    |       |   |                                    |    |     |                  |
|----|-------|---|------------------------------------|----|-----|------------------|
| L8 | 4     | ((low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame with correct\$5  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:22 |
| L7 | 2     | 3 and (error with conceal\$5)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:20 |
| L6 | 34    | ((low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame) with previous   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:19 |
| L5 | 0     | ((low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame) with histor\$3  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:19 |
| L4 | 259   | ((low\$4 or high \$4 or less or more) with energ \$4 with ((chang \$4 or difference or compar\$5) near3 frame)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:18 |
| L3 | 44    | 1 and L2  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:05 |
| L2 | 18574 | ("704").CLAS.   | USPAT; USOCR; EPO                  | OR | OFF | 2009/05/13 08:05 |
| L1 | 394   | ((low\$4 or high \$4 or less or more) with energ \$4 with (chang \$4 or difference) with frame)                 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON  | 2009/05/13 08:03 |

|     |       |   |  |    |     |                     |
|-----|-------|---|--|----|-----|---------------------|
| S68 | 25    | (conceal\$5 with error with repeat \$4 with frame) and ((low\$4 or high\$4 or less or more) with energ \$4) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>14:09 |
| S67 | 57    | (conceal\$5 with error with repeat \$4 with frame)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>14:08 |
| S66 | 45    | S64 and (audio or speech or voice)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:58 |
| S65 | 39    | S64 and audio   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:58 |
| S64 | 85    | conceal\$5 with error with (determin\$5 or detect\$5 or perform\$4 or occur\$4) with compar\$5              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:57 |
| S63 | 1625  | conceal\$5 with error with (determin\$5 or detect\$5 or perform\$4 or occur\$4)                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:57 |
| S62 | 3     | S60 and (energ \$4 with frequenc \$4 with time)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:53 |
| S61 | 1     | S60 and (speech with text)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:45 |
| S60 | 84    | S58 and S59   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:10 |
| S59 | 1505  | conceal\$5 with error with (determin\$5 or detect\$5 or perform\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/05/12<br>13:10 |
| S58 | 18574 | ("704").CLAS.   | USPAT;<br>USOCR; EPO                     | OR | OFF | 2009/05/12<br>13:10 |

|     |      |  |  |    |    |                     |
|-----|------|--|--|----|----|---------------------|
| S57 | 1118 | conceal\$5 with<br>error with<br>(determin\$5 or<br>detect\$5) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/05/12<br>13:09 |
|-----|------|--|--|----|----|---------------------|

5/ 13/ 2009 9:54:11 AM

C:\ Documents and Settings\ mcolucci\ My Documents\ EAST\ Workspaces\ 10523326.  
wsp